

CORRECTED VERSION

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number  
**WO 2004/085114 A1**

(51) International Patent Classification<sup>7</sup>: **B24B 23/03**,  
7/18, 41/047, 47/12

(21) International Application Number:  
PCT/GB2003/001376

(22) International Filing Date: 28 March 2003 (28.03.2003)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

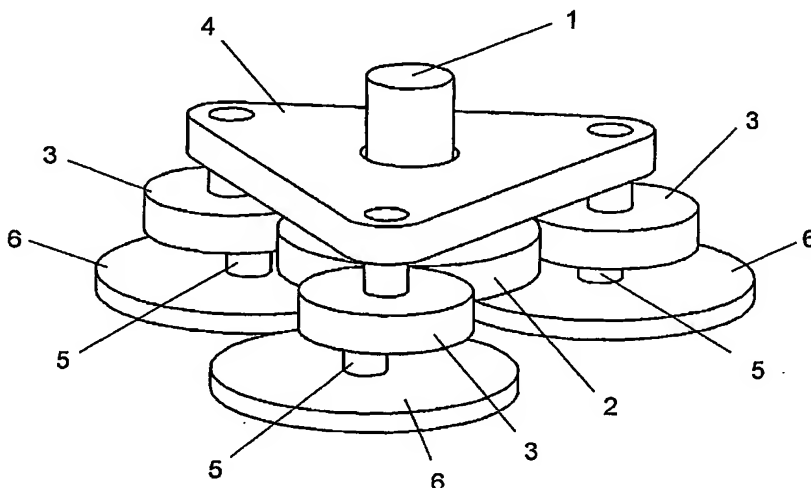
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: ROTARY WORK TOOL WITH ORBITING PLANETARY GEARS CONTAINING ECCENTRIC AXES FOR THE ATTACHMENT OF POLISHING OR SANDING PLATENS



(57) Abstract: A work tool comprising: a principle drive shaft (1) with a sun gear (2) attached thereto; at least two planetary gears (3) distributed about the circumference of the sun gear (2) at substantially equal angular separations; and a carriage (4) for constraining the planetary gears (3) such that they maintain their angular separation about the axis of the principal drive shaft (1); wherein each planetary gear (3) has an eccentric (5) axis in addition to its rotational axis constrained by the carriage (4), such that each planetary gear (3) can drive, in use, a polishing or sanding platen (6) around the respective eccentric axis (5). A phase difference may be provided between the respective adjacent eccentric axes (5). The polishing or sanding platens (6) may rotate freely or may be rotationally constrained.

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(48) Date of publication of this corrected version:

1 December 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(15) Information about Correction:

see PCT Gazette No. 48/2005 of 1 December 2005, Section II